Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.   (Currently Amended) A method for determining the presence of a condition of a patient's heart, the method comprising the steps of:

      reading at least one parameter value of a bio-medical signal of a patient; and

      determining the likelihood of the presence of a condition of a patient's heart based on the at least one parameter value, the step of determining including the step of comparing the at least one parameter value of the bio-medical signal with all corresponding parameter values stored in a database, wherein all corresponding parameter values in the database are collected from a plurality of patients.

2.   (Original) The method of claim 1, wherein the bio-medical signal comprises an ECG of a patient.

3.   (Original) The method of claim 1, wherein the step of determining includes the step of calculating a comparison result for a condition based on the comparison of the at least one parameter value of the patient with the corresponding parameter values stored in the database.

4.   (Original) The method of claim 3, wherein the step of calculating includes the step of determining whether the comparison value for the condition is TRUE.

5.   (Original) The method of claim 4, wherein the step of determining further includes the step of calculating a probability value representing the likelihood of the presence of a condition based on the comparison results for the condition.

6.   (Original) The method of claim 1, further comprising the step of entering the at least one parameter value of the patient, prior to the reading step.

7.   (Original) The method of claim 1, wherein the at least one parameter value of the patient is entered via a browser.

8.   (Currently Amended) A method determining the presence of a condition of a patient's heart, the method comprising the steps of:

    entering at least one parameter value of an ECG of a patient;

    comparing at least one parameter value of the ECG of a patient with all corresponding parameter values stored in a database;

    calculating a comparison result associated with a condition relating to the corresponding parameter values stored in a database, wherein all corresponding parameter values in the database are collected from a plurality of patients; and

    calculating a probability value representing the likelihood of the presence of a condition based on the comparison result.

9.   (Original) The method of claim 8, wherein the at least one parameter value of the patient is entered via an internet browser.

10.   (Original) The method of claim 8, wherein the step of calculating a comparison result includes the step of determining if the comparison result is TRUE.

11.   (Original) The method of claim 8, wherein the step of calculating the probability value includes the step of determining the frequency of occurrence of the condition based on the comparison results.

12.   (Currently Amended) A computer program for performing the steps of a method for determining the presence of a condition of a patient's heart, the method comprising the steps of:

reading at least one parameter value of a bio-medical signal of a patient; and

determining the likelihood of the presence of a condition of a patient's heart based on the at least one parameter value of the bio-medical signal with all corresponding parameter values stored in a database, wherein all corresponding parameter values in the database are collected from a plurality of patients.

13.   (Original) The computer program of claim 12, wherein the bio-medical signal comprises an ECG of the patient.

14.   (Original) The method of claim 12, wherein the step of computing includes the step of calculating a comparison result for each condition based on the comparison of the at least one parameter value with the corresponding parameter values stored in the database.

15.   (Original) The method of claim 14, wherein the step of calculating includes the step of determining whether all of the comparison values for each condition are TRUE.

16.   (Original) The method of claim 14, wherein the step of determining further includes the step of calculating a probability value representing the likelihood of the presence of a condition of the patient based on the comparison results for each condition.

17.   (Currently Amended) A system comprising:

a server;

a computer program stored on the server for performing a method for determining the presence of a condition of a patient's heart, the method comprising the steps of:

reading at least one parameter value of a biomedical signal of a patient; and

determining the likelihood of the presence of a condition of a patient's heart based on the at least one parameter value, the step of determining including the step of comparing the at least one parameter value of the bio-medical signal with all corresponding parameter values stored in the database, wherein all corresponding parameter values in the database are collected from a plurality of patients; and

a client and a web browser stored thereon for enabling a user to access the computer program.

18.   (Original) The system of claim 17, wherein the bio-medical signal comprises an ECG of the patient.

19.   The system of claim 17, wherein the method step of determining further includes the step of calculating a comparison result for each condition based on the comparison of the at least one parameter value of the patient with all corresponding parameter values stored in the database.

20.   (Original) The system of claim 19, wherein the method step of determining further includes the step of calculating a probability value representing the likelihood of the presence of a condition based on the comparison results for each condition.

21.   (Original) The system of claim 19, wherein the method step of calculating a comparison result includes the step of determining if the comparison is TRUE.

22.   (Original) The system of claim 20, wherein the step of calculating a probability value includes the step of determining the frequency of occurrence of the condition based on the comparison results.

23.   (Currently Amended) A system comprising:

        means for reading at least one parameter value of a bio-medical signal of a patient;
and

        means for determining the likelihood of the presence of a condition of a patient's
heart based on the at least one parameter value, the means for determining including
means for comparing the at least one parameter value of the bio-medical signal with all
corresponding parameter values stored in a database, wherein all corresponding
parameters values in the database are collected from a plurality of patients.

24.   (Original) The system of claim 23, wherein the bio-medical signal comprises an
ECG of the patient.

25.   (Original) The system of claim 23, wherein the means for determining includes
means for calculating a comparison result for each condition based on the comparison of
the at least one parameter value with all corresponding parameter values stored in the
database.

26.   (Original) The system of claim 25, wherein the means for calculating includes
means for determining whether all of the comparison values for each condition are
TRUE.

27.   (Original) The system of claim 21, wherein the means for determining includes
means for calculating a probability value representing the likelihood of the presence of a
condition based on the comparison results for each condition.